

Borough of Bridlington.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1919,

BY

ALFRED KAYE JARRATT,

M.B., C.M., L.R.C.P., L.R.C.S., Etc., EDIN.,

MEDICAL OFFICER OF HEALTH FOR THE BOROUGH

INCLUDING THE

ANNUAL REPORT OF THE INSPECTOR OF NUISANCES,

BY

JOSEPH S. GRUNWELL, R.S.I.,

INSPECTOR OF NUISANCES.

BRIDLINGTON:

A. J. BROWN, 5 KING STREET

1920.

The Sanitary Committee.

1919-20.

Chairman :

ALDERMAN J. T. HILL.

Members :

THE MAYOR (COUNCILLOR E. LAMBERT)

ALDERMAN LEONARD MAINPRIZE.

ALDERMAN GEORGE RENNARD.

COUNCILLOR HENRY BYASS.

COUNCILLOR J. G. GANT.

COUNCILLOR T. NETTLETON.

COUNCILLOR W. B. POTTER.

Sanitary Works Sub-Committee.

ALDERMAN HILL.

COUNCILLOR H. BYASS.

COUNCILLOR J. G. GANT.

Medical Officer of Health :

ALFRED KAYE JARRAT, M.B., L.R.C.P. & S., Etc.

Town Clerk :


ALFRED ERNEST MATTHEWMAN, B.A., LL.B.

Borough Surveyor :

CECIL GUSTAV BRADLEY, C.E.

Inspector of Nuisances :

JOSEPH S. GRUNWELL, M.S.I.A.



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Public Health Report for the Year 1919.



GENTLEMEN,

I have pleasure in presenting an Annual Report for the year ending December 31st, 1919.

The population as estimated by the Registrar General is ~~13,794~~ 13,749 for the purpose of estimating the Death-rate, and 14,322 for the Birth-rate.

Births and Birth-Rate.

There were 105 births (male) and 102 (female) giving a total of 207 as compared with 186 for the previous year. The birth-rate, based on the population of 14322 is 14.45 per 1000. There were 7 still-born.

Births, 1919	Male.	Female.	Total.
BRIDLINGTON WARD.....	40	42	82
QUAY WARD	25	19	44
HILDERTHORPE	40	41	81
Total...	105	102	207

Notification of Births Act 1919 and 1915.

I received 204 Notifications, of which number 6 were still-born.

Deaths and Death-rates.

There were 218 deaths, giving an annual death-rate of 15·85 per 1,000 of the population.

Infantile Mortality.

There were 18 deaths of children under one year of age, giving an annual Infantile Mortality of 87 per 1,000 births. The Infantile Mortality for England and Wales was 75 per 1,000 births.

The Table relating to the Causes of death will be found at the end of the Report.

Yearly Mortality for certain Diseases since 1909.

	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919
Cancer	18	18	17	16	19	19	24	26	29	29	25
*Tuberculosis	13	23	17	14	13	13	8	10	11	18	10
Influenza	2	6	3	6	8	0	6	4	7	25	7
Bronchitis	17	22	26	24	27	25	34	29	22	33	34
Pneumonia											
Pleurisy											

* Includes Tubercular Meningitis and all forms of Tuberculosis.

Infectious Diseases Notified 1918—1919.

.Year.	Scarlet.	Diphth- eria.	Enteric.	Ophth- almia Neonator- um.	Measles and German Measles.	Cerebro Spinal Femur.	Poliomye- litis.
1919	10	9	1	1	24	0	0
1918	8	23	2	1	72	0	0
1917	17	5	0	5	233	3	0
1916	22	4	1	5	20	0	0
1915	14	5	3	2	...	...	...
1914	64	3	1	2	...	...	...
1913	45	4	0	...	...	...	...
1912	41	8	3	...	...	...	...
1911	18	5	6	...	...	...	...
1910	19	9	0	...	...	...	...

12 cases of Malaria were notified.

Measles and German Measles.

24 notifications of these Measles were received during the year as against 72 in the previous year. In each case the premises were disinfected and printed instructions as to treatment and precautions were left. The nurse called to see some of the cases when asked, and distributed Malt and Cod Liver Oil in suitable cases. According to the Registrar General's Return there were no deaths from Measles. Elementary Schools were closed when necessary, and these were disinfected before the re-admission of children. The Notification of Measles Order of 1915 was rescinded as from January 1st 1920.

Bridlington as a Fishing Port.

Some time ago it was suggested that the Harbour should be so improved as to increase the Fishing Trade of the Port. In my last Report I drew attention to the fact that if this were done, the Town might suffer as a Health Resort. During the past year frequent complaints have been made as to the unsanitary conditions existing on the South Pier and Slipway. It is to be hoped that the representations which have been made to the Harbour Commissioners will bear fruit. If proper accomodation were provided for the fishermen to bait their lines near the Harbour, the nuisance might be abated.

Borough Sanatorium for Infectious Diseases.

During the year 58 patients were admitted. These included Military Cases 2; Rural 17; Area under the East Riding County Council 4; Borough 34—1 observation. The question of lighting this Institution has been under consideration for some years and I trust it will be an accomplished matter by the time I write my next Report.

Infectious Diseases.

The cases notified will be found in Table II at the end of the Report. It is satisfactory to note the absence of Zepnotic Diarrhoea in the district. Circulars giving advise as to the treatment of Influenza and Measles have been distributed.

Lloyd Hospital.

This Institution continues its useful work as in the past.

The following particulars show the amount of work done during the year ending June 30th, 1919 :—

Number of In-patients	...	...	...	...	260
„ Out-patients	..	...	...	...	60
„ visits to Hospital for medicine and advice					958
„ Operations	...	...	...	...	110

The X Ray Apparatus has been used when necessary.
The Hospital is also used for complicated maternity cases.

Infant Welfare (Babies' Welcome).

This is carried out by the Bridlington Council although a Voluntary Committee holds itself responsible for the supervision of the meetings. New premises are being arranged for as the present ones are not satisfactory. Our thanks are due to each member of this Voluntary Committee who has done a real amount of work in order to make this important development a success. Mrs. Phillips who acted as Hon. Sec. has unfortunately left the district and had to tender her resignation. Her experience and interest in the work was fully appreciated by everyone who came in contact with her.

A "Flag Day" was held during the summer and a sum of £45 10s. was collected. A grant of £7 3s. 11d. was made by the Ministry of Health.

The meetings are held weekly on Thursday afternoon when the Nurse is in attendance. The M.O.H. attends fortnightly or oftener if necessary. Addresses are given from time to time. In summer time the meetings have been held in the private gardens of several kind people who have offered this privilege to the mothers and children.

The Ivory Cross Society continues to assist the members who require dental treatment and apparatus.

The sale of Cow and Gate Milk continues, and has proved of great value in cases where artificial feeding is inevitable. The Thrift Club is as popular as ever; the amount paid in during the year was £46.

Attendance :

	This year.	Last year.
Women	564*	525
Children	583*	689

*These figures are only up to March 12th, whereas the year ends on March 31st, 1920.

Maternity and Child Welfare (Milk Supply .

A scheme for supplying milk to deserving cases is being formulated, and will be submitted to the Ministry of Health for approval.

Housing.

The Corporation will have to be very careful in tackling this question in the future. As Bridlington is a sea-side resort the majority of the working classes do not desire workmen's houses but larger ones, so that their income may be largely increased by taking in visitors.

Workmen's houses if built at the present time would be very soon occupied because of the scarcity of houses, but would be left unoccupied when private enterprize supplies other houses. Plans for 12 houses in Borough Road have been approved and tenders invited. 25½ acres of land have been purchased from the Postill Trustees for Housing purposes; it is intended to build 150 dwellings. This latter site has been informally approved by the Housing Inspector.

Shipping.

All ships entering the harbour have been inspected when I have been notified by the Harbour Authorities or the Coastguards.

Rats.

The number killed in the Borough up to the 31st of December was 473, as estimated by the number of tails for which 2d. per tail is paid.

Housing and Town Planning Act, 1909.

Number of dwelling-houses inspected under and for the purposes of Section 17 of the Act of 1909	...	...	...	83
Number of dwelling-houses found unfit for human habitation	...			68
Number of dwelling-houses made fit for habitation without formal representation	...	...	...	0
Number of representations made to the Local Authority with a view to the making of Closing Orders	...	...	...	1
Number of Closing Orders made	...	...	...	1
Number of dwelling houses in which defects were remedied without the making of Closed Orders	...	...	...	0
Number of dwelling-houses which after the making of Closing Orders were put into a fit state for human habitation	...			0
Number of dwelling-houses voluntarily closed by owners	...			0
Number of dwelling-houses voluntarily demolished by owners	...			0

General Character of the defects found to exist:—

Old buildings, decayed, insufficient ventilation, dark, no lavatories, no sink, water outside, defective surroundings, damp.

In conclusion, I have pleasure in tendering my thanks to the Members of the Sanitary Committee and the Officials of the Corporation, for the courtesy and assistance they have given me during the year.

I am, Gentlemen,

Your obedient Servant,

A. KAYE JARRATT.

Medical Officer of Health.

Borough of Bridlington.

SANITARY INSPECTOR'S REPORT.

SANITARY OFFICE,
CLIFF STREET,
BRIDLINGTON.

January, 1920.

TO THE MAYOR, ALDERMEN AND COUNCILLORS OF
THE BOROUGH OF BRIDLINGTON.

GENTLEMEN,

I have great pleasure in presenting to you my 10th Annual Report, showing the work done in my Department.

At the beginning of the year we had hopes of getting back to normal conditions with regard to Sanitary improvements, but as month succeeded month it became evident that such would not be the case. Owing to the continued scarcity of material and the high prices of such, the progress we thought to see has not come up to our expectations.

The most pressing need in the district as you are aware is HOUSES, and until a number are built, it will be a difficult task getting the houses repaired which do not come up to the reasonable standard of fitness.

A number of houses have been scheduled as unfit for habitation, many of which are impossible to bring up to the standard of fitness, and closing orders cannot be served until some provision is made for the occupants of these houses. It therefore behoves the Housing Committee to press forward with their plans as quickly as possible and have some houses erected.

As you are aware the Ministry of Health asked for a continuance of the policy of converting the pail closets into water-closets. A little progress has been made in this direction upon the past two years, but not as much as we could have liked to have seen.

It will be necessary to obtain new particulars with regard to housing conditions, especially of those houses which are not bad enough to be condemned, but which it is possible to improve and bring up to date. A great amount of time will have to be given to this work in the forthcoming year.

Improvements with regard to Cowsheds and Dairies will have to be carried out, as well as the usual work in connection with the abatement of Nuisances.

Correspondence, etc.

Letters written	...	...	...	...	...	135
Preliminary Notices sent out	...	...	...	...	...	146
Legal Notices	...	...	...	...	...	4
Appointments kept	...	...	...	...	...	101

Tabulated Statement of Nuisances.

Houses examined for —

Infectious Disease	...	...	...	...	...	49
Complaints	...	...	...	...	...	1
Overcrowding	...	...	...	...	...	3
Other Causes	...	...	...	..	...	61
Under the Housing Act	...	...	...	...	...	67

Total Number of Houses examined	181
---------------------------------	-----	----	-----

Total Number of Nuisances found connected therewith	148
---	-----	-----	-----	-----	-----	-----

*Nuisances found in above and
other houses—*

Insufficient Light and Air...	8
Damp and Dilapidated, including Defective Roofs...	19
Dirty	5
Overcrowded ..	4
Stopped drains	59
Defective „	46
„ Sink Wastes ...	12
„ Pave and Fall	
Spouts	22
Insufficient Closet Accommodation.....	29
Defective Ventilation Shafts	5
„ Connections to	
Water Closets.....	19
Dilapidated and Insufficient Ashes Accommodation ...	86
Dirty Water Closets and Privies	7
Dilapidated Back Yards and Passages	7
Defective Closet Tins	32
Animals as to be a nuisance	3
Offence and Defective Urinals	5
Other Nuisances.....	42
Other Outside Nuisances ...	10

Number of Nuisances found 415

Nuisances abated :—

Light and Air provided.....	8
Damp and Dilapidated	18
Houses Cleaned ...	3
Overcrowded	2
Drains liberated	67
„ repaired	70
Sink Wastes repaired.....	26
Fallpipes repaired	28
Privies repaired ...	10
Sufficient W.C. accommodation provided	36
Ventilation Shafts and Soil-pipes repaired and provided	16
W.C. Connections repaired...	23
Ashes accommodation provided	66
Closet Pails provided	36
Privies abolished.....	26
Yards and Passages repaired	8
Closets cleansed	12
Urinals cleansed and repaired	4
Other Nuisances abated.....	42
Animals cleansed or removed	2
Other Outside Nuisances ...	8

Nuisances abated 492

Visits paid to :

Works in progress	...	...	...	...	210
Markets	...	...	...	...	144
Slaughterhouses	...	...	...	...	163
Workshops	...	...	...	...	23
Bakehouses	...	...	...	...	76
Cowsheds and Dairies...	...	...	...	...	85
Nuisances already found	...	...	...	...	175
Infectious Diseases	...	...	...	...	53
For other causes	...	...	...	...	235

1164

The total number of Water Closets within the Borough are ...	4841
The total number of Receptacles for Ashes within the Borough	4883
The total number of Dry Closets (Portable Receptacles) within the Borough	1720
The total number of Houses within the Borough	4316
No of Houses for the Working Classes	2500

During the year 36 Water Closets have been provided to houses other than new ones, and 26 Pail Closets have been abolished.

The Council's Bylaws do not permit the erection of sanitary Conveniences other than Water Closets in new buildings.

Infectious Disease & Disinfection.

34 cases of Infectious Disease were removed to the Sanatorium of which 14 were Diphtheria, 19 Scarlet Fever and 1 Enteric Fever. 3 other cases were visited which were nursed at home.

After a case is removed to the Isolation Hospital, the clothing and infected rooms are immediately disinfected. When cases are nursed at home frequent visits are made, with a view to seeing that proper isolation is being carried out.

18 houses have been disinfected after Phthisis, and 16 after Measles and Influenza.

All the schools were disinfected owing to Influenza at the early part of the year, and class rooms have been disinfected after a case of Diphtheria or Scarlet fever.

Food Inspection.

A large plentiful supply of foodstuffs have been available this year than obtained in the previous year, and on the whole the quality was better, and yet in one or two specific cases there is room for considerable improvement.

A considerable amount of time has been spent in the inspecting of food, and it was found necessary to condemn the following articles as unfit for human food :—

20½ stones of beef	3 cwt. of Herrings
2 stone of offal	32 lbs. of Butter
86 stones of mutton	365 eggs
1 stone of bacon	186 glasses of Salmon and Shrimp paste
6 tins of corned beef	28 lbs. of Biscuits
	10 barrels of pears
8 tins of Salmon	5 tins of Lobster and 19 tins of other foods.

Milk and Samples.

During the early part of the year numerous complaints were received with regard to sour milk. The farm from which the milk came was outside the Borough. I visited the farm and from the information I gathered, and from what I saw, was convinced the milk went wrong owing to it being stored overnight in a place totally unfit for the purpose, and added to that gross carelessness was exhibited in not keeping the morning's and evening's milk separate. I suggested some other place in which the milk should be stored overnight, and more care should be exercised in keeping the two milks separate. As a result of my visit a considerable improvement was noticed in the milk and no more complaints were received.

32 samples of milk have been taken during the year, of which 22 samples were found on analysis to be genuine, 2 samples were found of a suspicious nature whilst 8 were of such a quality that in 4 cases legal proceedings had to be instituted and in 4 others warnings had to be issued.

Sample No. 68 :—	Milk Fat	2·72 per cent.
	Non Fatty Solids	8·89 ,,
	Water	88·39 ,,
		<hr/> 100·00 <hr/>

Remarks :—This sample is deficient in Milk Fat to the extent of at least 9·3 per cent. on the milk fat required.

Sample No. 78 :—	Milk Fat	2·75 per cent.
	Non Fatty Solids	8·72 ,,
	Water	88·53 ,,
		<hr/> 100·00 <hr/>

Remarks :—This sample is deficient in Milk Fat to the extent of at least 8·3 per cent. in the milk fat required.

Sample No. 79 :—	Milk Fat	2·10 per cent.
	Non Fatty Solids	8·32 ,,
	Water	88·58 ,,
		<hr/> 100·00 <hr/>

Remarks :—This sample is deficient in Milk Fat to the extent of at least 30 per cent. on the milk fat required, and contains at 2·1 per cent. of added water. The Vendor was in this case prosecuted, and a fine of £5 was imposed.

Sample No. 84 :—	Milk Fat	2.55 per cent.
	Non Fatty Solids	7.54 ,,
	Water	89.91 ,,
		<hr/> 100.00 <hr/>

Remarks :—This sample is deficient in Milk Fat to the extent of at least 15.0 per cent. on the Milk Fat required, and contains at least 11.3 per cent. of added water. “ In this case the Vendor was fined £2 10s. 0d.

Sample No. 86 :—	Milk Fat	3.83 per cent.
	Non Fatty Solids	7.73 ,,
	Water	88.44 ,,
		<hr/> 100.00 <hr/>

Remarks :—This sample contains at least 9.00 per cent. of added water. “ The Vendor was fined £5.”

Sample No. 87 :—	Milk Fat	3.37 per cent.
	Non Fatty Solids	7.65 ,,
	Water	88.98 ,,
		<hr/> 100.00 <hr/>

Remarks :—This sample contains at least 10.0 per cent. of added water. “ The Vendor was fined £2 10s.

Sample No. 83 :—	Milk Fat	3.42 per cent.
	Non Fatty Solids	8.38 ,,
	Water	88.29 ,,
		<hr/> 100.00 <hr/>

Remarks :—This sample contains added water to the extent of 1.4 per cent.

Sample No. 85 :—	Milk Fat	3.32 per cent.
	Non Fatty Solids	8.37 ,,
	Water	88.31 ,,
		<hr/> 100.00 <hr/>

Remarks :—This sample contains added water to the extent of 1.5 per cent.

Samples 79, 84, 86 and 87 were from one source, 79 and 48 were taken in the street from a milk vendor, 86 and 87 were taken at a farm house, where the farmer was a wholesale and retail dealer.

Samples 83 and 85 were taken from the same milk vendor in the street, but this milk was from a different source. These two samples were both watered, but not sufficient to warrant a conviction.

Cowsheds and Dairies.

The number of Cowsheds within the Borough are Thirty. The condition of several of these premises require improving, and suitable dairy accommodation should be provided. A dairy connected with a cowshed or cowsheds has always been of importance, but this is now more essential than ever it was in the past, seeing that it has now become a recognised practice to deliver milk only once a day during the winter months. As a result of this practice the evening's milk has to be stored until the following morning.

Slaughter Houses.

There are nineteen slaughterhouses on the register and 163 visits have been paid to these premises. There are three which have been out of use during the past year, and the number of cattle slaughtered has been less than in previous years. Several nuisances have been found and were remedied after attention had been called to them.

Housing.

A report on Housing has been submitted to the Health Committee and forwarded to the Ministry of Health.

Amongst other information the report stated "that 40 houses are required to meet the present unsatisfied demand, and 67 houses are unfit for human habitation, all of which are occupied. The total number of new houses required at the present is 108. Land has already been bought on which these houses will be built, and provision is also made if it is found necessary to build other houses."

One house has been closed as unfit for Human Habitation. There are also a number of other houses, although not unfit for habitation, yet do not in any way reach the standard of fitness one would care to see. Extensive alterations will be required to be carried out to some of the old houses, as they have been sadly neglected during the past few years.

Offensive Trades.

Permission in two instances have been granted to persons to carry on the trade of Fellmonger. In both cases the premises are on the outskirts of the town, and with ordinary care no nuisance should arise from these premises.

House Scavenging.

All the house refuse has been tipped in fields in the vicinity of Bempton Lane.

The refuse is dealt with as follows :—It is carted into fields and tipped. It is then sorted and thrown on a heap, and after it has decomposed is then spread on the fields for manure. All the inflammable material is burnt, and the old pots, tins and rubbish is carted away to a tip.

Number of loads collected 3579.

The Health Committee have about 70 acres of land under cultivation.

It is no longer possible to bale paper and dispose of it at a profit, in fact during the latter part of the year there has been no market for it, and consequently it has had to be burnt.

All pail closets and ashbins are emptied once a week ; in summer twice a week where necessary.

Information required by the County Medical Officer of Health.

Details of Sanitary Work carried out during 1919.

Dwellinghouses inspected	181
Dwellinghouses notices served	150
New houses built ..	1
Have Building Byelaws been adopted ?	Yes
Date of confirmation	1912
Dwellinghouses disinfected after cases of ordinary Infectious Disease	50
Dwellinghouses disinfected after cases of Phthisis.....	18
All Elementary Schools have been disinfected after cases of ordinary Infectious Diseases.	
Dwelling houses found overcrowded	4
Dwellinghouses yards paved	7
Number of pail closets and ashbins inspected	105
Number of pail closets and ashbins remedied	102
Privies converted to W.C.'s	26
New Ashpits made (not permissible under Private Act).	
New W. C.'s	10
Number of house drains inspected	117
Number of house drains remedied	137
Number of drains trapped or disconnected	26
Number of drains relaid	70
Number of drains better ventilated	16
Number of new drains laid	0
Number of cesspools inspected	0
Number of cesspools removed	0
New cesspools made	0
Nuisances from animals found	3
Nuisances from animals abated	2
Offensive trades inspected	11
Number of Nuisances found	3
Number of Nuisances abated	3
Number of notices served (statutory)	4
Number of notices served (Informal)	146
Number of notices complied with	144
Number of nuisances found	415
Number of nuisances abated	492

Water supplies—

Practically all houses are served with Town's water.

Dairies and Cowsheds—

Have Regulations been adopted ?	Yes
Date of adoption	1902
Number of dairies and cowsheds on register	30
Number of cows	about 120
Visits to cowsheds and dairies	85
Defects found and remedied	7

Slaughterhouses—

Number on Register	19
Visits to	163
Number of defects found and remedied	5

Unwholesome Food condemned—

108½ stones of meat, 3 cwt. of fish, 10 barrels of fruit, stone of
bacon, 6 tins corned beef, 32 lbs of butter, 365 eggs, 186 glasse^s
of salmon and shrimp paste, 28 lbs. of biscuits.

Common Lodging Houses—

Number on Register	1
Vistis to	4
Number of defects found and remedied.....	1
Canal Boats inspected	0

Yours respectfully,

JOSEPH S. GRUNWELL,

Inspector of Nuisances.

TABLE I.

VITAL STATISTICS OF WHOLE DISTRICT DURING 1919 AND PREVIOUS YEARS.

YEAR.	BIRTHS.			TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFERABLE DEATHS.		NETT DEATHS BELONGING TO THE DISTRICT.			
	Uncorrected Number.	Nett.		Num-ber.	Rate.	of Non-residents registered in the District.	of Residents not registered in the District.	Under 1 Year of Age.		At all Ages.	
		Num-ber.	Rate.					Num-ber.	Rate per 1000 Nett Births.	Num-ber.	Rate.
1908.	15120	286	15.9	212	14.02	..	..	..	..	212	14.02
1909.	15578	241	19.2	172	11.04	..	..	..	..	169	10.8
1910.	15695	299	16.2	228	14.53	..	..	..	..	224	14.27
1911.	14980	293	20.09	219	15.22	14	8	35	121	213	14.81
1912.	14789	269	18.19	196	13.25	32	7	14	52.04	171	11.56
1913.	15144	250	16.5	229	15.12	26	9	19	76	212	13.99
1914.	15491	248	16.00	205	13.23	20	12	28	112	197	12.71
1915.	13868	245	17.66	218	15.72	..	..	..	81.6	208	14.99
1916.	13200	235	13.10	211	15.98	24	14	20	55	200	15.1
1917.	13145	192	12.42	260	19.44	38	13	18	92	231	17.6
1918.	13977	203	12.42	260	19.44	..	..	20	107	230	17.2
1919.	14322	211	14.45	237	17.25	27	8	18	87	218	15.85

Area of District in acres (exclusive of area covered by water) ... 2700

Total Population at all ages	14,334	} At Census 1911.
Total families or separate occupiers	3584	

TABLE II.
CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1919.

NOTIFIABLE DISEASE.	NUMBER OF CASES NOTIFIED.							TOTAL CASES NOTIFIED IN EACH LOCALITY.			TOTAL CASES RE-MOVED TO HOSPITAL.
	AT ALL AGES.	At Ages—Years.						Bridlington.	Quay.	Hilderthorpe.	
		Under 1.	1 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.					65 & upwards.
Observation	1	...	...	...	...	1	...	...	...	...	1
Small-pox	...	...	...	...	...	...	...	...	...	...	...
Cholera	...	...	...	...	...	...	...	...	...	...	...
Diphtheria (including Membranous Croup)	12	...	...	9	2	1	2	...	...	...	11
Erysipelas	4	...	...	...	2	1	1	...	...	...	...
Scarlet Fever	25	...	...	20	2	2	1	...	...	...	22
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever	1	...	...	...	1	...	...	...	...	...	1
Relapsing Fever	...	...	...	...	...	...	...	...	...	...	...
Continued Fever	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	1	...	...	...	...	1	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...	...	...
Poliomyelitis	...	...	...	...	...	...	...	...	...	...	...
Ophthalmia Neonatorum	1	1	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis	16	...	...	...	6	9	1	...	...	...	...
Other forms of Tuberculosis	5	1	2	1	...	...	...	...	...	...	...
Totals	66	3	2	30	11	15	4	1	...	...	35

Military and Rural Cases not included.

Isolation Hospital—Borough Sanatorium, Bempton Lane.
Total Available Beds—16.
Number of Diseases that can be concurrently treated—8.

TABLE III.
CAUSES OF DEATH IN BRIDLINGTON M. B., 1919.

Causes of Death.	Males.	Females
All Causes (Civilians only)	107	111
Enteric Fever	1	—
Small Pox	—	—
Measles	—	—
Scarlet Fever	—	—
Whooping Cough.....	—	2
Diphtheria and Croup	1	—
Influenza	3	5
Erysipelas	—	—
Pulmonary Tuberculosis	5	1
Tuberculous meningitis	3	1
Other tuberculous diseases	2	1
Cancer, malignant disease	12	13
Rheumatic Fever	—	—
Meningitis	—	—
Organic heart disease	14	16
Bronchitis	9	12
Pneumonia (all forms).....	3	4
Other respiratory diseases	1	1
Diarrhoea &c. (under 2 years).	—	—
Appendicitis & typhlitis	1	—
Cirrhosis of Liver	—	—
Alcoholism	—	—
Nephritis and Bright's disease	5	4
Puerperal fever	—	1
Parturition, apart from puerperal fever	—	—
Congenital debility, &c.	9	3
Violence, apart from suicide	2	2
Suicide	—	1
Other defined diseases	34	42
Causes ill-defined or unknown	2	1
Special Causes (included above)	—	—
Cerebro-spinal fever	—	—
Poliomyelitis	—	—
Deaths of infants under 1 year of age (legitimate)	9	3
Illegitimate.....	3	3
Total Births	105	102
Legitimate	91	89
Illegitimate	14	13
Population for Birth-rate		14,322
Population for Death-rate		13,749

TABLE IV.
INFANT MORTALITY, 1919.

Nett deaths from stated causes at various Ages under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.		1-2 Weeks.		2-3 Weeks.		3-4 Weeks.		Total under 4 weeks.		1-3 Months.		3-6 Months.		6-9 Months.		9-12 Months.		Total Deaths under One Year.
	Certified	Uncertified																	
All Causes {	Certified	Uncertified																	
(Small-pox
Chicken-pox
Measles
Scarlet Fever
Whooping Cough	1	1	..	..	..	..	..	..	..	..	..	..	1
Diphtheria and Croup
Erysipelas
{ Tuberculous Meningitis
{ Abdominal Tuberculosis
{ Other Tuberculous Diseases
Meningitis (<i>not Tuberculous</i>)
Convulsions	1	..	..	..	..	1	..	..	..	2
Laryngitis
Bronchitis	1	1	..	..	..	..	..	..	2
Pneumonia (all forms)
{ Diarrhoea
{ Enteritis
Gastritis
Syphilis
Rickets
Suffocation, overlaying
Injury at Birth
Atelectasis
{ Congenital Malformations
{ Premature Births	7	..	..	..	..	7	..	..	..	..	..	..	..	..	..	..	7
{ Atrophy, Debility, and Marasmus	1	2	1	..	..	4	..	..	..	..	..	..	..	..	..	..	4
Other causes	1	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	2
TOTALS	9	3	1	1	..	14	..	1	1	1	1	1	..	..	18	..	..

Net Births registered during the calendar year { legitimate, 184.
illegitimate, 23.

Net Deaths registered during the calendar year of { legitimate infants, 12.
illegitimate infants, 5.
unknown 1.

TABLE V.—Birth-rate, Death-rate, and Analysis of Mortality during the Year 1919.
(Provisional figures. Populations estimated to the middle of 1918 have been used for the purposes of this Table.)

	BIRTH-RATE PER 1,000 TOTAL POPULATION.	ANNUAL DEATH-RATE PER 1,000 CIVILIAN POPULATION.								RATE PER 1,000 BIRTHS.		PERCENTAGE OF TOTAL DEATHS.*			
		All Causes.	Enteric Fever.	Small-pox.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria.	Violence.	Diarrhoea and Enteritis (under 2 years).	Total Deaths under One Year.	Deaths in Public Institutions.	Certified Causes.	Inquest Cases.	Uncertified Causes of Death.
England and Wales.....	18.5	13.8	0.01	0.00	0.10	0.03	0.07	0.13	0.47	9.59	89	23.9	92.5	6.2	1.3
96 Great Towns, including London (Census Populations exceeding 50,000).	19.0	13.8	0.01	0.00	0.13	0.04	0.07	0.14	0.45	12.24	93	29.2	92.3	6.9	0.8
48 Smaller Towns (Census Populations 20,000—50,000)	18.3	12.6	0.01	0.00	0.10	0.03	0.08	0.12	0.39	8.67	90	16.6	93.6	4.9	1.5
London	18.3	13.4	0.01	0.00	0.08	0.03	0.05	0.18	0.47	16.22	85	44.7	91.2	8.6	0.2
Borough of Bridlington	14.45	15.85	0.07	0.00	0.00	0.09	0.14	0.07	0.35	0.00	87	9.63	92.1	8.2	0.7

* Non-civilians are included in these figures for England and Wales but not for other areas.

WEATHER REPORT FOR THE YEAR 1919.

Latitude 54° 5' N. Longitude 0° 12' W.

The observations are taken daily at 9 a.m., and Local Mean Time is employed.

The Rain Gauge is 5 inches in diameter and 1 foot above the ground, and is 60 feet above Mean Sea Level, and all rain that falls, in quantity equal to or exceeding 0.01, is carefully measured.

MONTH.	Average Reading of Barometer.	Average Temperature of the Air.	Average Temperature of Wet Bulb.	Average Maximum Temperature.	Average Minimum Temperature.	Average Sunshine per day.	Average Rainfall per day.	Total Amount of Sunshine.	Total Amount of Rainfall in Inches.
January ...	29.723	36.51	35.48	41.	30.77	H. 1 M. 6 SECS. 23.14	0.09	H. 37 M. 50	3.07
February ...	29.819	34.07	34.21	40.39	30.71	1 4 14.64	0.04	60 39	1.15
March ...	29.068	38.29	35.93	42.77	31.20	3 8 7.57	0.12	93 35	3.73
April ...	30.127	43.83	41.30	50.96	34.83	3 2 30.	0.06	46 20	1.85
May ...	30.463	51.54	51.19	55.96	40.77	5 8 0.	0.03	256 5	1.06
June ...	30.082	56.96	49.03	63.40	43.86	7 12 0.	0.02	179 15	0.85
July ...	30.260	55.41	52.06	65.93	46.96	4 40 8.17	0.06	40 15	2.04
August ...	29.937	58.40	52.67	66.80	48.51	6 13 36.30	0.08	181 35	2.48
September...	29.968	54.63	51.50	61.40	43.5	5 44 25.16	0.58	157 48	1.74
October ...	30.107	45.35	40.0	55.16	34.62	3 50 95.0	0.16	127 20	5.02
November...	29.730	36.09	32.56	43.63	32.0	1 48 20.	0.08	44 50	2.60
December ...	29.367	38.83	36.12	45.03	30.02	1 4 15.40	0.11	32 35	3.41
For the Year	29.948	45.82	43.04	51.95	37.44	3 43 13.64	0.07	1357 58	29.00

The Highest Reading of Barometer was 30.846 on May 4th.

January 4th. The Highest Reading of Maximum Thermometer was 79 degrees on August 12th. The Lowest Reading of Minimum Thermometer was 14 degrees on February 9th. The Greatest Amount of Sunshine recorded was 14 hours, 15 minutes, on May 15th, 16th and 19th. The Greatest Rainfall was 0.96 of an inch on October 29th. Rain fell on 213 days, to the total depth of 29.10 inches, compared with 26.71 last year, an increase of 3.39. The Total Amount of Sunshine was 1,357 hours, 58 minutes, against 1,541 hours, 55 minutes for 1918, a decrease of 183 hours, 57 minutes.

January 1920.

S. R. CROFTS, A.R.H.S., Borough Meteorologist.

DIRECTION OF WIND AT BRIDLINGTON DURING 1919.

Observations taken Daily at 9 a.m.

MONTH.	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	No. of Observa- tions.
January ...	...	...	5	...	...	1	5	...	...	2	19	...	...	...	1	...	31
February ...	...	1	8	...	...	...	6	...	1	...	6	...	1	...	4	...	28
March ...	...	..	4	...	5	1	1	1	...	...	10	...	...	...	7	2	31
April ...	...	1	4	...	...	...	1	...	...	...	18	...	...	1	4	2	30
May ...	...	...	6	...	1	...	15	...	...	...	5	...	...	...	4	...	31
June ...	1	1	2	...	...	...	1	...	...	...	16	...	...	...	8	...	30
July ...	2	3	7	...	1	...	1	...	...	1	5	...	...	...	9	1	31
August ...	..	...	1	...	...	...	1	...	...	...	16	1	2	...	5	1	31
September ...	...	...	4	...	...	...	1	...	...	...	17	...	1	...	5	...	30
October ...	2	...	6	...	...	...	...	...	...	...	10	...	...	...	13	...	31
November ...	...	...	7	...	1	...	3	...	...	...	9	...	2	...	5	...	30
December ...	1	...	...	...	...	...	2	...	5	...	13	...	4	...	5	...	31
Totals ..	6	6	54	...	8	2	37	1	6	3	144	1	10	1	70	6	365

January, 1920.

S. R. CROFTS, A.R.H.S., Borough Meteorologist.

